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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/600,287	06/21/2003	Daniel Luch	6293	
75	590 09/07/2006		EXAMINER	
Daniel Luch 17161 Copper Hill Drive			LAM, CATHY FONG FONG	
Morgan Hill, C			ART UNIT PAPER NUMBER	
			1775	
		DATE MAILED: 09/07/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/600,287	LUCH, DANIEL				
Office Action Summary	Examiner	Art Unit				
	Cathy Lam	1775				
The MAILING DATE of this communication a Period for Reply	appears on the cover sheet w	vith the correspondence a	ddress			
A SHORTENED STATUTORY PERIOD FOR REF WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perions are period for reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the main earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUN 1.136(a). In no event, however, may a od will apply and will expire SIX (6) MO tute, cause the application to become a	IICATION. a reply be timely filed ONTHS from the mailing date of this of ABANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on	·					
2a)☐ This action is FINAL . 2b)⊠ Th	his action is non-final.					
·	,— ,,					
closed in accordance with the practice unde	r <i>Ex par</i> te Quayle, 1935 C.	D. 11, 453 O.G. 213.				
Disposition of Claims						
4) ☐ Claim(s) 1-6 is/are pending in the application 4a) Of the above claim(s) is/are withden 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-6 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and	rawn from consideration.					
Application Papers						
9) The specification is objected to by the Exami 10) The drawing(s) filed on is/are: a) a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction. 11) The oath or declaration is objected to by the	ccepted or b) objected to be drawing(s) be held in abeyone oction is required if the drawing	ance. See 37 CFR 1.85(a).	, ,			
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreignal All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a li	ents have been received. ents have been received in riority documents have bee eau (PCT Rule 17.2(a)).	Application No en received in this Nationa	l Stage			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/C Paper No(s)/Mail Date 01-10-2005.	Paper No	v Summary (PTO-413) o(s)/Mail Date f Informal Patent Application (PT 	O-152)			

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Claim Objections

1. Claims 1-6 are objected to because of the following informalities: the term "DER" needs to be spelled out in its full name. Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claim 1 is rejected under 35 U.S.C. 102(b) as being clearly anticipated by Hans (US 4224118).

Hans teaches an electroplated article comprised of a metal coating(s) and a plastic substrate (col 1 L 15-16). The metal coating(s) is selectively plated over the plastic substrate (col 1 L 8-9).

Claim Rejections - 35 USC § 102/103

4. Claims 1-6 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Kawai et al (US 4425262).

Kawai teaches an electroplated article comprised of an electroconductive resin composition and a metal coating. The electroconductive resin composition is molded into a shaped article. The metal coating is directly electroplated onto the shaped resin article (col 1 L 5-13 & col 2 L 2-7). The examiner takes the meaning of "directly electroplated" as there is no surface treatment of pre-treatment step(s) exists.

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The electroconductive resin composition has an electrical resistance of < 300 Ω cm, the electrical resistance is measured at 1 cm interval (col 3 L 22-29 & L 49-51).

Kawai is silent about the metal coating is selectively plated. The examiner is taking the position that whether metal coating is patterned or not, is part of the design scheme, and only one way or the other exists (i.e. either selectively patterned or not selectively patterned). Such design scheme is conventional.

5. Claims 1-6 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Adelman (US 4038042).

Adelman teaches a plastic composition which can be directly electroplated with a metal.

The plastic composition is molded into a shaped article (col 4 L 35-38). The article has a volume resistivity of less than 25 Ω -cm (col 4 L 66-68).

The article is directly electroplated with a metal coating (col 7 L 20-28). The examiner takes "directly electroplated" with the meaning of no surface pre-treatment.

Adelman is silent about the metal coating is selectively coated (or patterned) over the plastic article. However, the examiner is taking the position that whether the metal coating is selectively coated or not, is one of the conventional design schemes.

Claim Rejections - 35 USC § 103

6. Claims 2-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kawai et al (US 4425262) or Adelman (US 4038042) in view of Hans (US 4224118) or Bogard et al (US 3772161).

Kawai and Adelman both teach an electroconductive resin composition material which is molded into an article. The resin article is directly electroplated with a metal material with any surface pre-treatment.

Kawai and Adelman however are silent about the metal coatings are selectively plated (or patterned).

Hans teaches an article comprised of a molded plastic substrate and a metal coating. The metal coating is selectively electroplated onto the surface of the plastic substrate (col 1 L 8-9 & L 15-21).

Bogard teaches a strippable masking coating for preventing metal deposited onto the thermoplastic surface. The mask (or resist) can be used in electroless deposition as well as electroplating methods (col 1 L 28-30 & L 36-40).

In view of the prior art teachings, one skill in the art would fabricate a selectively electroplated article because it is well known to pattern a layer by using a mask or a resist.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cathy Lam whose telephone number is (571) 272-1538. The examiner can normally be reached on 9am-6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jennifer McNeil can be reached on (571) 272-1540. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Cathy Lam

Primary Examiner Art Unit 1775

cfl

August 27, 2006